

Ham-Ant Digest Sat, 29 Jan 94 Volume 94 : Issue 17

Today's Topics:

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                                (none)
Help - Vertical opinions needed (2 msgs)
      Ioncap source wanted
      mininec source code
      nec software
RG-58 and Discone ant. problem at VHF
      Where can I find copper-weld??

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Send Replies or notes for publication to: <Ham-Ant@UCSD.Edu>

Send subscription requests to: <Ham-Ant-REQUEST@UCSD.Edu>

Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Ant Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-ant".

We trust that readers are intelligent enough to realize that all text herein consists of personal comments and does not represent the official policies or positions of any party. Your mileage may vary. So there.

Date: 28 Jan 94 15:58:43 GMT
From: news-mail-gateway@ucsd.edu
Subject: (none)
To: ham-ant@ucsd.edu

help

Date: 29 Jan 1994 00:21:07 GMT
From: agate!howland.reston.ans.net!usenet.ins.cwru.edu!magnus.acs.ohio-state.edu!
wvanhorn@network.ucsd.edu
Subject: Help - Vertical opinions needed
To: ham-ant@ucsd.edu

Dan, NY9K wrote:

>I'm looking to buy this weekend a ground independent vertical for HF. I have
>a very limited area (can go up as far as I want) and limited funds. 40m and
>80m would be a big + but not a requirement.

>

>What's your opinion on:

- > Cushcraft R5 (R7 too \$)
- > Butternut HF6V
- > GAP Challenger DB-VIII
- > MFJ-1796

I can give an opinion only on the R5. I have one mounted at the peak of my roof (about 30 feet above ground) in a suburban residential area of Columbus, Ohio. I also have a horizontal dipole at about 25 feet. I operate barefoot at 100 watts maximum output.

I meet two friends from childhood on 20-meter SSB each week at 1600Z, one in Fresno, CA and the other in east Texas. The one in CA runs barefoot with a horizontal dipole at about 30 feet. The one in Texas is a "big gun" with KW amplifier and a tribander at 75 feet, with an R7 on the same tower, above the beam. He works both of us with the side-lobes of his beam and always has S-9+ signals at both ends.

My friend in CA and I do well during good propagation if we have a clear frequency, but often poor propagation and/or QRM make it very difficult. But my signal in CA and his signal here are almost always about the same, with PERHAPS a tiny advantage for my signal over his. When I try my horizontal dipole, my signal drops a bit, perhaps one S-meter division.

The Texan doesn't use his R-7 with his amplifier and when he tries to work us with the R-7 barefoot his signal is down considerably, so he doesn't do it often. I can't give you a numerical measure of how far down that is.

Sometimes we shift to 17 or 15 meters and, if the band is open, the contact between CA and here is superb, S-9+ on both ends, but I lose Texas because of the skip.

I worked some DX during 1991-92, CW only, and found on all bands from 14.0 MHz. up, that I can work anything I can hear with the R-5.

I hope this is some help.

73, Van - W8UOF

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* It ain't wot you don't know 't gets you into trouble. *
* It's wot you know 't ain't true. - "Mr. Dooley" *
* * * * *
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* * * * *
wvanhorn@magnus.acs.ohio-state.edu

Date: 27 Jan 94 08:32:38 -0600
From: nic.hookup.net!paladin.american.edu!howland.reston.ans.net!mrtnt.ntns.com!
tntvax!ddb@tcgould.tn.cornell.edu
Subject: Help - Vertical opinions needed
To: ham-ant@ucsd.edu

I'm looking to buy this weekend a ground independent vertical for HF. I have
a very limited area (can go up as far as I want) and limited funds. 40m and
80m would be a big + but not a requirement.

What's your opinion on:
Cushcraft R5 (R7 too \$)
Butternut HF6V
GAP Challenger DB-VIII
MFJ-1796

Dan (NY9K)

Date: 26 Jan 1994 18:57:52 GMT
From: mvb.saic.com!unogate!news.service.uci.edu!usc!howland.reston.ans.net!
noc.near.net!sunfish.hi.com!brainiac.hi.com!user@network.ucsd.edu
Subject: Ioncap source wanted
To: ham-ant@ucsd.edu

I'm looking for the source for Ioncap, which I understand to have been
developed by the US Gov't and be in the public domain. I suppose I could
get it through NTIS on 9-track tape for a hundred or so bucks, but I'm
hoping someone knows of an ftp site for it.

While we're at it, how about the source for minimuf?

Thanks,
-Steve

Steve Byan
Hitachi Computer Products (America), Inc.
1601 Trapelo Road
Waltham, MA 02154

internet: steve@hicomb.hi.com
phone: (617) 890-0444
FAX: (617) 890-4998

Date: 26 Jan 1994 18:53:12 GMT
From: mvb.saic.com!unogate!news.service.uci.edu!usc!howland.reston.ans.net!
noc.near.net!sunfish.hi.com!brainiac.hi.com!user@network.ucsd.edu
Subject: mininec source code
To: ham-ant@ucsd.edu

Is anyone aware of an ftp site that has the source for mininec?

Alternatively, would someone with the source be willing to mail it to me?
I'd pass it on to Scott Erlich to post in the BARC ftp archives on
world.std.com.

Thanks,
-Steve

Steve Byan Hitachi Computer Products (America), Inc. 1601 Trapelo Road Waltham, MA 02154	internet: steve@hicomb.hi.com phone: (617) 890-0444 FAX: (617) 890-4998
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Date: Thu, 27 Jan 1994 15:00:11 GMT
From: sdd.hp.com!vixen.cso.uiuc.edu!howland.reston.ans.net!sol.ctr.columbia.edu!
news.kei.com!yeshua.marcam.com!zip.eecs.umich.edu!destroyer!fmsrl7!ukma!
rsg1.er.usgs.gov!junger@network.ucsd.
Subject: nec software
To: ham-ant@ucsd.edu

I have downloaded and compiled the nec antenna radiation pattern
calculation program successfully on my Sparc2, but cannot find
any information in the files about the format of the input data.
Can someone point me to this information or email me a description
of the input format(s) please?

Thanks & 73's -- John Unger, W3G0I

Date: Thu, 27 Jan 1994 12:10:40 GMT
From: sdd.hp.com!vixen.cso.uiuc.edu!howland.reston.ans.net!usenet.ins.cwru.edu!
nigel.msen.com!ilium!rcsuna.gmr.com!kocrsv01!news@network.ucsd.edu
Subject: RG-58 and Discone ant. problem at VHF
To: ham-ant@ucsd.edu

In article <CK8sq9.DDq@ncifcrf.gov> mack@ncifcrf.gov (Joe Mack) writes:
>In article <1994Jan26.043629.21788@mnemosyne.cs.du.edu> chowes@nyx10.cs.du.edu
(Chester Howes) writes:

>>A guy I know recently installed a Discone Antenna (R-S brand) and 50 ft of
>>RG 58 for his scanner. Problem: The rubber duck on the handheld unit, 20
>>ft lower than the outside antenna works better than the discone. Eppley
>>field and their aircraft and Omaha PD (UHF) are full quieting on the duck,
>>barely audible on the outside antenna. He swapped out the coax for
>>another run of '58 with the same result. He swapped out the discone for
>>one of the 3 vertical rod scanner antennas. I haven't heard yet how well
>>that worked out. Does anyone have a suggestion what the problem could
>>have been? How could the antenna have been so bad?

>>

>>Thank's for any suggestions

>>

>>Chester F. Howes, N8GHF, <chowes@nyx.cs.du.edu>

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>>

>You haven't eliminated the RG-58 yet as the source of the problem. I have
>hamfest special RG58 that nothing goes through at UHF. Do you know that
>either of the lengths of RG-58 is good? Do you have any known good cable
>at UHF .

>

> Joe Mack NA3T

> mack@ncifcrf.gov

>

>

Also, don't rule out the possibility of front-end overload on the scanner
when the discone is connected. There may be nearby transmitter(s) that
will cause the scanner's front-end to overload, therefore desensitizing
it. The problem doesn't take place with the rubber duck due to the
decrease in signal strength.

My \$0.02 worth,

Keith Welford

N9IXG

c22kw@koccrsv01.delcoelect.com

Date: Wed, 26 Jan 1994 01:52:51 GMT

From: news2.uunet.ca!iceonline!icebox!janc@uunet.uu.net

Subject: Where can I find copper-weld??

To: ham-ant@ucsd.edu

>Subject says it all...

>

>I've checked with all the hardware stores and electrical supply

>houses in my area and nobody has the stuff. Am I looking in the
>wrong places???
>

Tried a welding supply house?

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                                : If you eat a live toad first thing in the  
janc@icebox.iceonline.com    : morning, nothing worse will happen to you all  
                                : day.  
                                : To you or the toad.  
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End of Ham-Ant Digest V94 #17  
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